

J. H. HOLT.
SCRAPER.

No. 178,640.

Patented June 13, 1876.

Fig. 2.

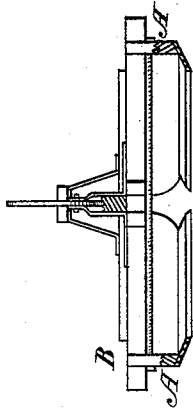


Fig. 1.

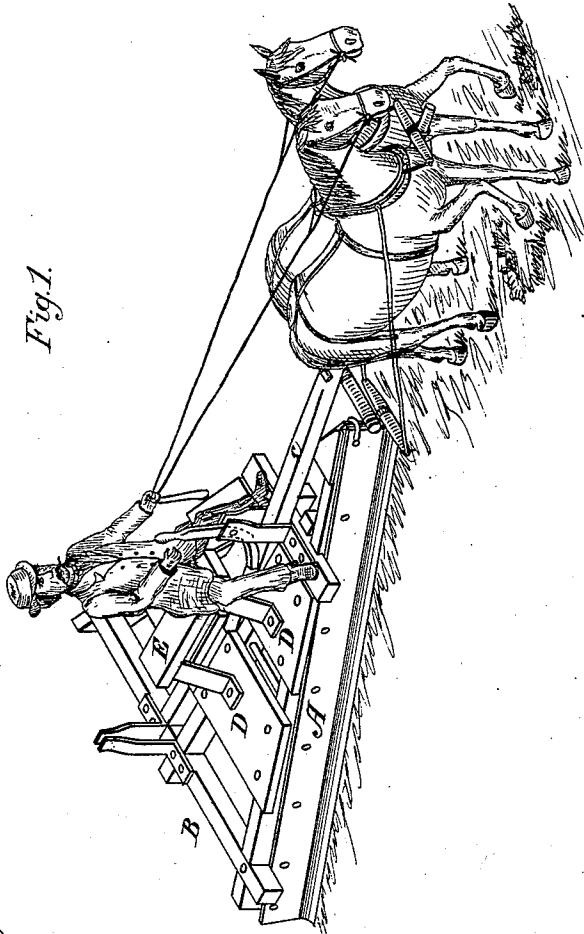
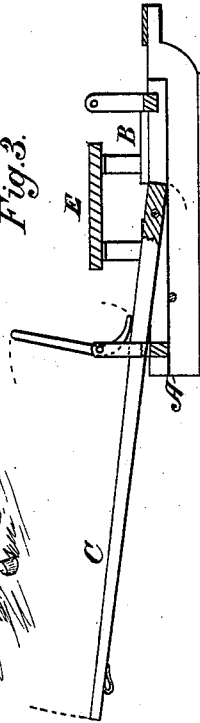


Fig. 3.



Attest:
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UNITED STATES PATENT OFFICE.

JACOB H. HOLT, OF MONMOUTH, ILLINOIS.

IMPROVEMENT IN SCRAPERS.

Specification forming part of Letters Patent No. **178,640**, dated June 13, 1876; application filed May 8, 1876.

To all whom it may concern:

Be it known that I, JACOB H. HOLT, of the city of Monmouth, county of Warren, and State of Illinois, have invented certain new and useful Improvements in Triangular Scrapers for leveling and smoothing streets and roads, and for removing snow therefrom, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, in which similar letters of reference indicate corresponding parts in the different figures.

The object of this invention is to produce a machine which shall not only fill the demand for a suitable road-scraper to be used in grading and leveling, but shall also be capable of ready conversion into a snow-plow for the purpose of clearing roads in winter; and the invention consists in the construction and arrangement of the different parts of the machine in such a manner that it may be reversed, as will be hereinafter fully described, and then specifically pointed out in the claims.

Figure 1 of the drawing is a perspective view. Fig. 2 is a transverse section. Fig. 3 is a longitudinal section.

A A are the side pieces of the machine, and are formed of planks of oak or other suitable wood, about one foot in width, eight feet, or thereabout, in length, and of such thickness as may be needed to give the necessary strength. The lower half of these side pieces is covered with a plating of steel or iron, so as to give them a sharp edge and prevent undue wear of the wood. B B is the frame of the machine, composed of two parallel pieces, placed at such a distance from each other as to allow the tongue C to enter the space between them. Attached to these parallel pieces by bolts are cross-pieces D D, which are, in turn, bolted to the side pieces A A. Suitable braces are also provided, one end being secured to the cross-

pieces of the frame and the other to the side pieces, so as to give the whole sufficient rigidity to support all strains to which it may be subjected.

The tongue C is so constructed that it may be inserted and secured between the parallel bars of the frame from either end of the machine, the braces being secured to the side pieces A A by the same bolts when the tongue is in either position. This facility of reversal allows the machine to be applied to a greater range of purposes than would be possible with those in more common use.

A driver's seat, E, is placed over the center of the machine, upon suitable supports attached to the parallel bars of the machine. This seat is pivoted so that it may be turned around to face either way, or is so constructed without a back as to be used from either end of the machine.

In using the machine as a snow-plow it moves with its pointed end forward, throwing the snow to each side; but when used for grading or leveling either end may go first, as the nature of the work demands.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent, the following:

1. The reversible tongue C, in combination with the parallel bars of the frame B B, as and for the purposes specified.

2. A triangular reversible scraper, provided with a tongue so constructed as to be attached at either end of the scraper, as and for the purposes set forth.

In testimony that I claim the foregoing I hereunto affix my signature this 22d day of April, 1876, in the presence of two subscribing witnesses.

JACOB H. HOLT.

Witnesses:

JAMES L. DRYDEN,
W. H. SEXTON.